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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/882,211	06/15/2001	Yin-Chun Huang	JCLA7433	8453

7590 12/01/2004  
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EXAMINER

SAFAIPOUR, HOUSHANG

ART UNIT PAPER NUMBER

2622

DATE MAILED: 12/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/882,211

Applicant(s)

HUANG ET AL.

Examiner

Houshang Safaipoor

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 June 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 5, 6, 8-11, 13-15 and 17 are rejected under 35 U.S.C. 102(b) as being anticipated by Liao (U.S. Patent No. 5,467,172).

Regarding claim 1, Liao discloses a transparent scanning light source for a scanner, wherein the scanner has a base frame and a cover and an upper surface of the base frame has a scanning region, the transparent scanning light source comprising:

a plurality of lamps, wherein the lamps are positioned outside the scanning region on the base frame; a light-channeling board mounted on the cover, wherein the light-channeling board includes an illumination section and a support section on each side of the illumination section, a bottom surface of the support section corresponds in position to the lamp so that light emitted from the lamp can pass through the bottom surface into the support section, and underneath the illumination section is an irradiation surface that corresponds in position to the scanning region (col. 3, lines 26-62); and

a diffuser plate attached to the irradiation surface (col. 4, lines 3-5).

Regarding claim 2, Liao discloses the transparent scanning light source of claim 1, wherein the lamps include a pair of parallel tubular lamps and a transformer associated with the parallel tubular lamps (col. 3, lines 39-49).

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Regarding claim 3, Liao discloses the transparent scanning light source of claim 1, wherein the light-channeling board has an n-shaped cross-section (col. 3, lines 26-62).

Regarding claim 5, Liao discloses the transparent scanning light source of claim 1, wherein the light source further includes a plurality of reflective plates attached to exterior surfaces of the illumination section and the support sections of the light-channeling board (col. 3, lines 50-55).

Regarding claim 6, Liao discloses the transparent scanning light source of claim 1, wherein the light-channeling board is mounted on the cover through a plurality of fastening structures, and the fastening structures between the light-channel board and the cover include latches, tape and screws (col. 3, lines 26-62).

Regarding claim 8, Liao discloses the transparent scanning light source of claim 1, wherein the base frame surface further includes a triggering switch that activates and monitors the transparent scanning light source when the cover is lowered (col. 4, lines 25-28).

Regarding claims 9-11, arguments analogous to those presented for claims 1-3 are applicable to claims 9-11 respectively.

Regarding claim 13, arguments analogous to those presented for claim 5 are applicable to claim 13.

Regarding claims 14-15, arguments analogous to those presented for claims 13 and 6 are applicable to claims 14-15 respectively.

Regarding claim 17, arguments analogous to those presented for claim 8 are applicable to claim 17.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 4, 7, 12 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Liao (U.S. Patent No. 5,467,172).

Regarding claims 7, 12 and 16 the usage of injection molding in forming a single piece structure is well known and routinely implemented in the art (Official Notice). Therefore, it would have been obvious to a person of an ordinary skill in the art at the time the invention was made to use the said process in Liao's transparency adaptor.

***Conclusion***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Houshang Safaipoor whose telephone number is (703)306-4037. The examiner can normally be reached on Mon.-Thurs. from 6:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L Coles, Sr. can be reached on (703)305-4712. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Houshang Safaipoor  
Patent Examiner  
Art Unit 2622  
November 16, 2004

  
EDWARD COLES  
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